

Express Mail Label  
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FIGURE 1

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1	AGCAGACAGGAACTCTCATTAAGGAAGG	TGTCCTGTGCCCTGACCCCTACAAGATGCCA	AGAGAAGATGGCTCACTTCATCTATGGTTAC	CCCANANGGGGCAGGCCACTCTTACACC	119
			Met Pro Arg Gln Asp Ala His	Phenylalanylserine	22
120	ACGGCTGAAAGGCCCGCTGGATGGCATC	CTGAGAGTGATCCTGGGATCTTACATGCTC	ATCGGCTGTTGCTCTATTGTAGAAGACGAAAT	GGATACAGAGCCCTTGATGCTATAAAAGTCTT	239
23	ThralaGluGluAlaAlaGlyLysIle	LauThrValLeuLeuGlyValLeuLauLeu	IleGlyCysSerGlyCysArgGlyArgAsn	GlyTyrArgAlaLeuLeuAlaAspLysSerLeu	62
240	CATGTTGGCACACTCATGTCGCTAACAGA	AGATGCCAACAGAACGGCTTGATCATCGG	GACAGCAAAGGTTCTCAAGAGAAAAAC	TGTGAACCTGGTCCCCAATGCTCCACCT	359
63	HisValGlyThrGlyIleGlySalaLeuThrArg	ArgCysSerGlyIleGlyDheAspHisIleArg	AspSerLysValSerLeuGlyIleVal	CysGluIleProValIleProAlaIlePro	102
360	GCTPATGAGAAACTCTGCGAGAACGCTCA	CCACCCCTTATTCAAGGCCAGGG	AGACACCTGAGAACATGCTGAATTATTCT	CTCACACTTTGCTGAATTATTCT	479
103	AlaIleGlyIleLeuSerAlaGluGlnSer	ProProProtyrSerPro			118
480	ATCTPAATGTTCTCCPTGGAAATGGTTAQG	AAAATGGCAAGGCCATCTTAATAAAGTC	AGTGTAAATTCTTAATGTTACTAGGTCGGCTAGCA	GTACTAAATCATGTTGAGAAATCTGAGGAA	599
600	TATPAATTTGGAAATCTCCATCAATAT	GTTGCAATGCAATGATGATTAATCTGGCCAGA	GGTAAATGTTAGTAATTCATGTTGTTATTT	TCTGAGAGACGAAATTCAAGTGGGTTATTC	719
720	GGGGCCATCCAAATTCTCPTACTGAAAT	TTGGGCTTAATTAACAAACTGATCTGAGTTTCG	AACCTGACCCGACATGACTGACTGAGTCAAGAA	TTCTGAGCTGACTGTTGAGTCACAGAA	839
840	GATACTTTTACAGGTAAAGCAAAAGGGTT	ACTGGGCTTAATTATCTGATCAGAACATGT	TTGGGCTTAATTAACCTGGCC	TTCTGAGCTGACTGTTGACCTCTGAGCTGAA	959
960	CTTATAGCTCTTTTGTGAGATGGAGTT	CGCTTTTGTGAGCTGGGCTCACATTAACCTGGCC	GGCCTATGCTGTCACACTCTGGGTCA	GGCTGAGCTGACTGTTGACCTCTGAGCTGAA	1079
1080	CCCTCCATGAGTAGCTGGGATTAACAGGGTGGC	GGCACTATGCTGTCACACTCTGGGTCA	GCAGCTCTATATCTGAGCATATAAAC	GCAGCTCTATATCTGAGCATATAAAC	1199
1200	TCTGCCCCCTCAAGCTCCAAAGTGGTGG	AAATTAGGGCTGAGCCACCGCTGGCT	GCAGCTCTATATCTGAGCATATAAAC	GCAGCTCTATATCTGAGCATATAAAC	1439
1320	AATGCTTAATCTACTAAATGCAAGTGGT	AAATAGCTAAAGCTACTATGCTGAGGTTT	AGTGCCTGATGCCCTGTTACTGCTCTT	AGTGCCTGATGCCCTGTTACTGCTCTT	1559
1440	TACCTATGGCAATTAGCTCTGGGTC	CDACTAAACCGAAATGGTAGAAGGTTT	AAATACTAAAGGATCAGAGATCTGAA	AAATACTAAAGGATCAGAGATCTGAA	

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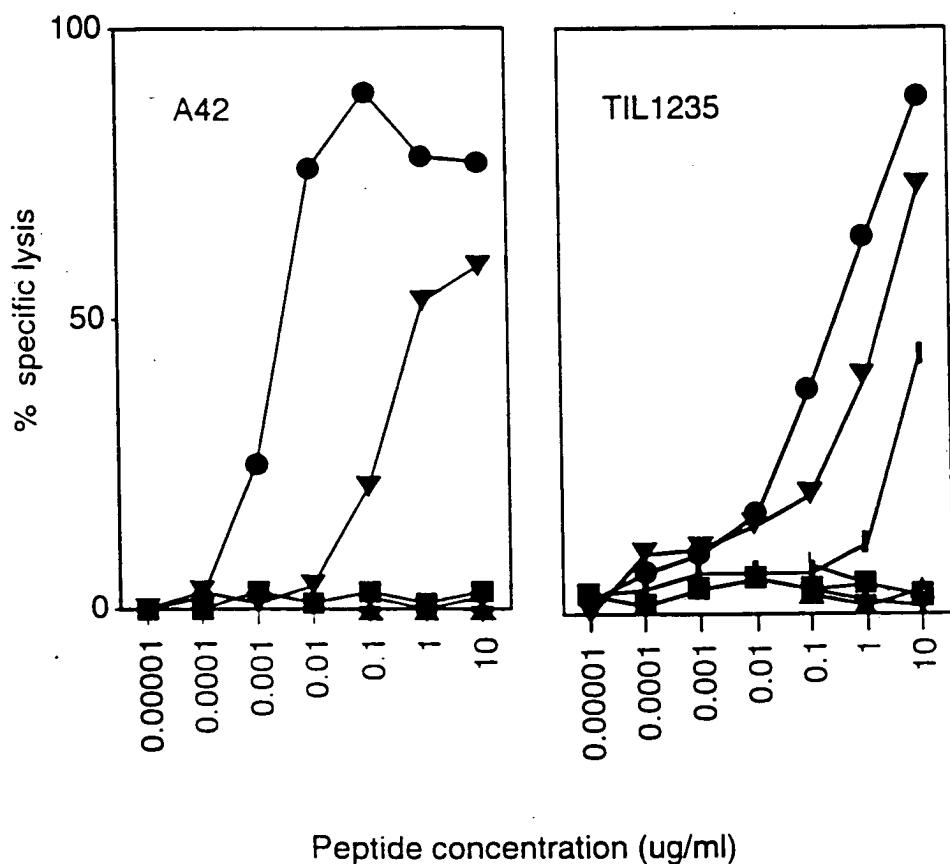


FIGURE 2

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FIGURE 3A

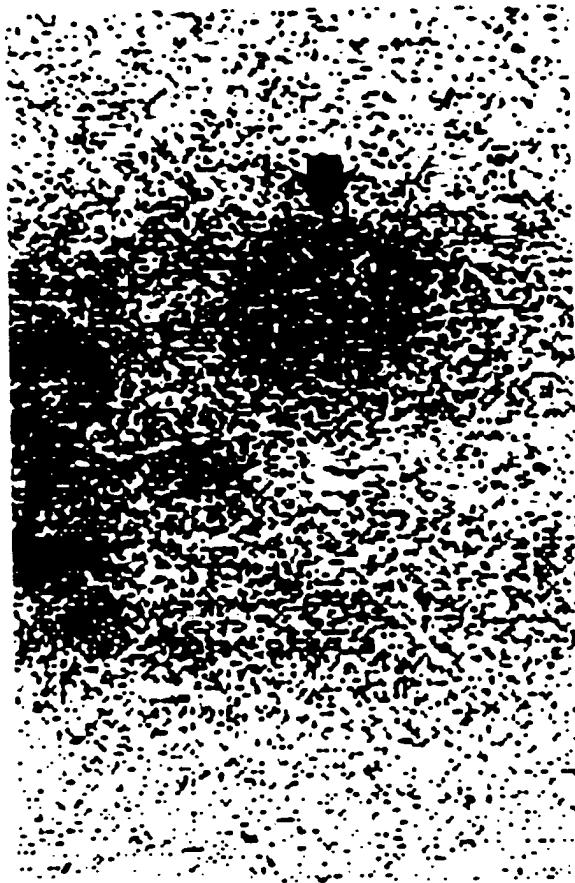
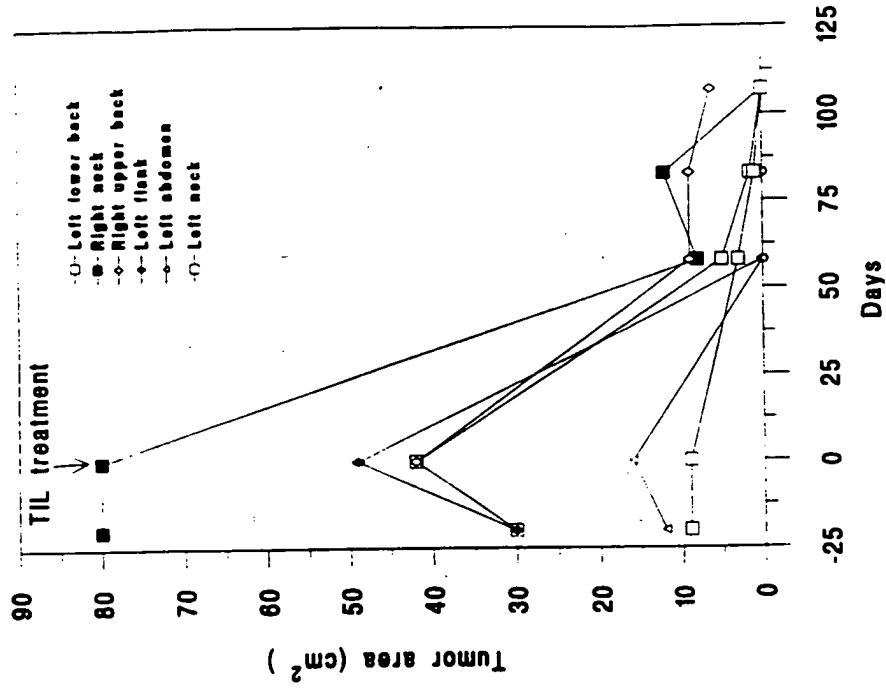


FIGURE 3B



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GTCGACGGCC ATTACCAATC GCGACCGGGA AGAACACAAT	40
<u>GGATCTGGTG CTAAAAAGAT GCCTTCTTCA TTTGGCTGTG</u>	80
ATAGGTGCTT TGCTGGCTGT GGGGGCTACA AAAGTACCCA	120
GAAACCAGGA CTGGCTTGGT GTCTCAAGGC AACTCAGAAC	160
CAAAGCCTGG AACAGGCAGC TGTATCCAGA GTGGACAGAA	200
GCCCAGAGAC TTGACTGCTG GAGAGGTGGT CAAGTGTCCC	240
TCAAGGTCAAG TAATGATGGG CCTACACTGA TTGGTGCAAA	280
TGCCTCCTTC TCTATTGCCT TGAACCTCCC TGGAAGCCAA	320
AAGGTATTGC CAGATGGGCA GGTTATCTGG GTCAACAAATA	360
CCATCATCAA TGGGAGGCCAG GTGTGGGGAG GACAGCCAGT	400
GTATCCCCAG GAAACTGACG ATGCCTGCAT CTTCCCTGAT	440
GGTGGACCTT GCCCATCTGG CTCTTGGTCT CAGAAGAGAA	480
GCTTTGTTA TGTCTGGAAG ACCTGGGCC AATACTGGCA	520
ATTTCTAGGG GGCCCAGTGT CTGGGCTGAG CATTGGGACA	560
GGCAGGGCAA TGCTGGGCAC ACACACCATG GAAGTGACTG	600
TCTACCATCG CCGGGGATCC CGGAGCTATG TGCCTCTTGC	640
TCATTCCAGC TCAGCCTTCA CCATTACTGA CCAGGTGCCT	680
TTCTCCGTGA GCGTGTCCC GTTGCGGGCC TTGGATGGAG	720
GGAAACAAGCA CTTCCTGAGA AATCAGCCTC TGACCTTGC	760
CCTCCAGCTC CATGACCCCA GTGGCTATCT GGCTGAAGCT	800
GACCTCTCCT ACACCTGGGA CTTGGAGAC AGTAGTGGAA	840
CCCTGATCTC TCGGGCACTT GTGGTCACTC ATACTTACCT	880
GGAGCCTGGC CCAGTCACTG CCCAGGTGGT CCTGCAGGCT	920
GCCATTCCCTC TCACCTCCTG TGGCTCCTCC CCAGTTCCAG	960
GCACCACAGA TGGGCACAGG CCAACTGCAG AGGCCCTAA	1000
CACCACAGCT GGCCAAGTGC CTACTACAGA AGTTGTGGGT	1040
ACTACACCTG GTCAGGCGCC AACTGCAGAG CCCTCTGGAA	1080
CCACATCTGT GCAGGTGCCA ACCACTGAAG TCATAAGCAC	1120

FIGURE 4

TGCACCTGTG CAGATGCCAA CTGCAGAGAG CACAGGTATG 1160  
ACACCTGAGA AGGTGCCAGT TTCAGAGGTC ATGGGTACCA 1200  
CACTGGCAGA GATGTCAACT CCAGAGGCTA CAGGTATGAC 1240  
ACCTGCAGAG GTATCAATTG TGGTGCTTTC TGGAACCACA 1280  
GCTGCACAGG TAACAACTAC AGAGTGGGTG GAGACCACAG 1320  
CTAGAGAGCT ACCTATCCCT GAGCCTGAAG GTCCAGATGC 1360  
CAGCTCAATC ATGTCTACGG AAAGTATTAC AGGTTCCCTG 1400  
GGCCCCCTGC TGGATGGTAC AGCCACCTTA AGGCTGGTGA 1440  
AGAGACAAGT CCCCCTGGAT TGTGTTCTGT ATCGATATGG 1480  
TTCCTTTCC GTCACCCCTGG ACATTGTCCA GGGTATTGAA 1520  
AGTGCCGAGA TCCTGCAGGC TGTGCCGTCC GGTGAGGGGG 1560  
ATGCATTG A GCTGACTGTG TCCTGCCAAG GCGGGCTGCC 1600  
CAAGGAAGCC TGCATGGAGA TCTCATCGCC AGGGTGCCAG 1640  
CCCCCTGCCA AGCGGCTGTG CCAGCCTGTG CTACCCAGCC 1680  
CAGCCTGCCA GCTGGTTCTG CACCAGATA C TGAAGGGTGG 1720  
CTCGGGGACA TACTGCCTCA ATGTGTCTCT GGCTGATACC 1760  
AACAGCCTGG CAGTGGTCAG CACCCAGCTT ATCATGCCTG 1800  
GTCAAGAAGC AGGCCTTGGG CAGGTTCCGC TGATCGTGGG 1840  
CATCTTGCTG GTGTTGATGG CTGTGGTCCT TGCATCTCTG 1880  
ATATATAGGC GCAGACTTAT GAAGCAAGAC TTCTCCGTAC 1920  
CCCAGTTGCC ACATAGCAGC AGTCACTGGC TGCGTCTACC 1960  
CCGCATCTTC TGCTCTTGTG CCATTGGTGA GAACAGCCCC 2000  
CTCCTCAGTG GCCAGCAGGT CTGAGTACTC TCATATGATG 2040  
CTGTGATTTT CCTGGAGTTG ACAGAAACAC CTATATTCC 2080  
CCCAGTCTTC CCTGGGAGAC TACTATTAAC TGAAATAAAT 2120  
ACTCAGAGCC TGAAAAAAA TAAAAAAA AAAA AAAAAA 2160  
AAAAAAA AA 2172

FIGURE 4 (continued)

FIGURE 5A

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1 MDLVLKRCLL HLAVIGALLA VGATKVPRNQ DWLGVSRLQR TKAWNRLQYP  
51 EWTEAQLRDC WRGGQVSLKV SNDGPTLIGA NASFSIALNF PGSQKVLPDG  
101 QVIWVNNTII NGSQVWGGQP VVPQETDDAC IFPDGGPCPS GSWSQKRSFV  
151 YVWKTWGQYW QFLGGPVSGL SIGTGRAMLG THTMEVTYH RRGSRSYVPL  
201 AHSSSAFTIT DQVPPSVSVS QLRALDGGNK HFLRNQPLTF ALQLHDPSGY  
251 LAEADLSYTW DFGDSSGTI SRALVVTHY LEPGPVTAQV VLQAAIPLTS  
301 CGSSPVPGTT DGHRPTAEAP NTTAGQVPTT EVVGTTPGQA PTAEPSGTTS  
351 VQVPTTEVIS TAPVQMPTAE STGMTPEKVP VSEVMGTTLA EMSTPEATGM  
401 TPAEVSIVVL SGTTAAQVTT TEWVETTARE LPIPEPEGPD ASSIMSTESI  
451 TGSLGPLLDG TATLRLVKRQ VPLDCVLYRY GSFSTLTDIV QGIESAEILQ  
501 AVPSGEFDAF ELTVSCQGGL PKEACMEISS PGCQPPAQRL CQPVLPSPAC  
551 QLVLHQILKG GSGTYCLNVS LADTNSLAVV STQLIMPGQE AGLGQVPLIV  
601 GILLVLMMAVV LASLIYRRRL MKQDFSVQPL PHSSSHWLRL PRIFCSCPIG  
651 ENSPLLSGQQ V

FIGURE 5B

Pmel17	M-----V-----Q-----P-----VPGILLT-----LLSGQQV				
ME20	M-----V-----Q-----L-----.				
gp100	M-----V-----Q-----L-----.				
cDNA25FL	M-----F-----Q-----L-----.				
cDNA25TR	Q-----L-----.				
	PPQWAAGLSTLI				
1	162	236	274	588	649

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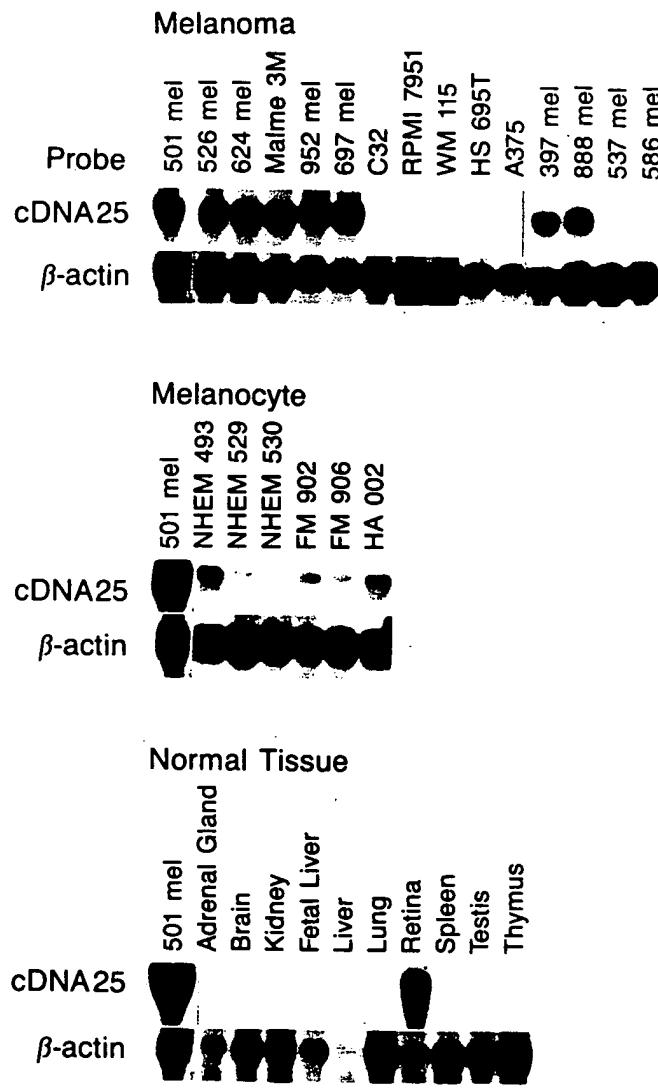


FIGURE 6

FIGURE 7A

BB  
11/17A

1 MDLVLKRCLL HLAVIGALLA VGATKVPRNQ DWLGVRQLR TKAWNRLQYP  
D3-----  
D5-----  
D4-----  
C4-----  
51 EWTEAQRLDC WRGGQVSLKV SNDGPTLIGA NASFSIALNF PGSQKVLPDG  
D3-----  
D5-----  
D4-----  
C4-----  
101 QVIWVNNTII NGSQVWGGQP VYPQETDDAC IFPDGGPCPS GSWSQKRSFV  
D3-----  
D5-----  
D4-----  
C4-----  
151 YVWKTWGQYW QVLGGPVSGL SIGTGRMLG THTMEVTYH RRGSRSYVPL  
D3----D3  
D5-----D5  
D4----------D4  
C4-----  
201 AHSSSAFTIT DQVPFSVSVS QLRALDGGNK HFLRNQPLTF ALQLHDPSGY  
C4-----  
25TR-----  
251 LAEADLSYT W DFGDSSGT LI SRALVVTH TY LEPGPVTAQV VLQAAIPLTS  
C4-----C4  
25TR-----  
301 CGSSPVPGBT DGHRPTAEAP NTTAGQVPTT EVVGTTPGQA PTAEPSGTTS  
25TR-----  
351 VQVPTTEVIS TAPVQMPTAE STGMTPEKVP VSEVMGTTLA EMSTPEATGM  
25TR-----  
401 TPAEVSI VVL SGTAAQVTT TEWVETTARE LPIPEPEGPD ASSIMSTESI  
25TR-----  
451 TGSLGPILLDG TATLRLVKRQ VPLDCVLYRY GSFSVTLDIV QGIESAEILQ  
25TR-----  
501 AVPSGEFDAF ELTVSCQGGL PKEACMEISS PGCQPPAQRL CQPVLPSAC  
25TR-----  
551 QLVHQILKG GSGTYCLNVS LADTNSLAVV STQLIMPGQE AGLGQVPLIV  
25TR-----  
601 GILLVLMMAVV LASLIYRRRL MKQDFSVPLQ PHSSSHWLRL PRIFCSCPIG  
25TR-----  
651 ENSPLLSGQQ V  
25TR----- 25TR

FIGURE 7B

DNA fragment	620-1	620-2	TIL 660-1	1143	1200	08 417174
D3	-	-	-	-	-	
D5	-	+	-	-	+	
D4	-	+	-	-	+	
C4	+	+	+	+	+	
25TR	-	-	+	+	+	

FIGURE 8A

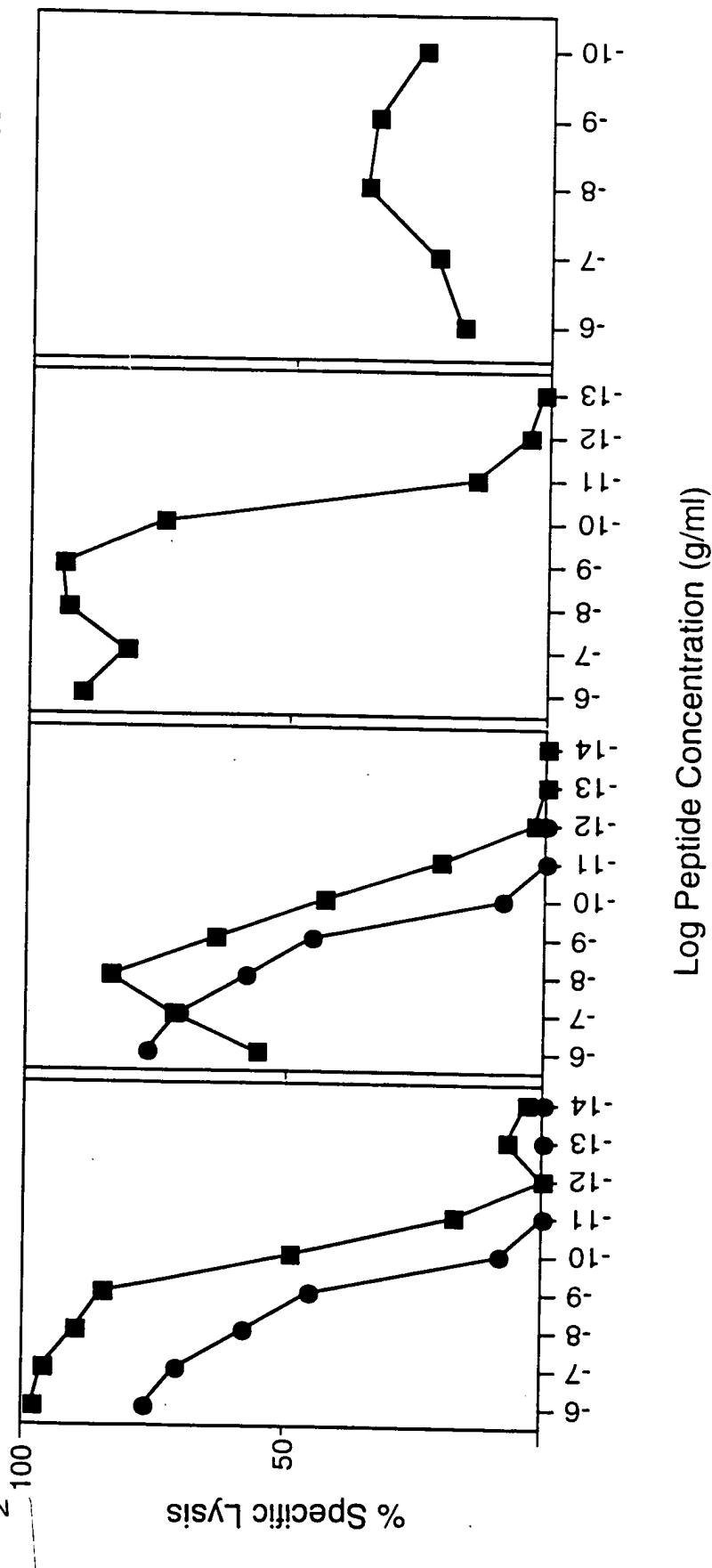


FIGURE 8B

FIGURE 8C

FIGURE 8D